

# Arsenii Ashukha

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## Summary

I'm getting PhD at University of Amsterdam jointly with Yandex Research, focused on Bayesian Deep Learning by supervision of Dmitry Vetrov and Max Welling. Also, I teach several scientific seminars on Machine Learning and involved in research at HSE. My publications are available at [Google Scholar](https://scholar.google.com/citations?user=...).

**Skills:** Machine Learning, Deep Learning, Bayesian ML, Python, Linux, Fluent English

## Education

<b>2017 - 2021</b> Working on	PhD Candidate, <i>Machine Learning</i> , University of Amsterdam and Yandex Research <i>Bayesian Deep Learning</i> by supervision of Dmitry Vetrov (Yandex) and Max Welling (UvA)	 UNIVERSITY OF AMSTERDAM
<b>2015 - 2017</b> Thesis	Master, <i>Machine Learning</i> , Moscow Institute of Physics and Technology, GPA: 4.8/5.0 <i>Variational Dropout Sparsifies DNNs</i> , Supervisor: Dmitry Vetrov (HSE), Alex Dral (MIPT)	
<b>2015 - 2016</b> Result	Irregular Student, <i>Machine Learning</i> , Yandex School of Data Analysis, GPA: 4.8/5.0 <i>Six courses were passed and the favorites are Bayesian ML, Deep Learning, Machine Learning</i>	
<b>2011 - 2015</b> Thesis	Bachelor, <i>Computer Science</i> , Bauman Moscow State Technical University, GPA: 3.7/5.0 <i>Building of Uncorrelated Kernels for Topic Models</i> , Supervisor: N. Loukachevitch (MSU)	

## Experience

<b>Sep 2017 - nowadays</b>	<b>Yandex, Moscow</b> — Researcher at Applied Research Team <i>Chief:</i> Dmitriy Vetrov ( <a href="mailto:vetrovd@yandex.ru">vetrovd@yandex.ru</a> ), Pavel Serdyukov ( <a href="mailto:pavser@yandex-team.ru">pavser@yandex-team.ru</a> )	
<b>Mar 2017 - nowadays</b>	<b>HSE, Moscow</b> — Intern Researcher at Bayesian Deep Learning Lab <i>Chief:</i> Dmitriy Vetrov ( <a href="mailto:vetrovd@yandex.ru">vetrovd@yandex.ru</a> )	
<b>Jun 2016 - Aug 2016</b> 3 months	<b>Yandex, Moscow</b> — Intern at Music Deep Learning Group - The quality of searching similar tracks and recommendation using DNN has been improved - Similar tracks system is working in production at <a href="http://music.yandex.ru">music.yandex.ru</a> <i>Chief:</i> Eugene Krofto ( <a href="mailto:singleton@yandex-team.ru">singleton@yandex-team.ru</a> )	
<b>Dec 2013 - Feb 2016</b> 2 years part time	<b>Rambler, Moscow</b> — R&D Engineer at Machine Learning Group - The quality and the performance of user classification using url-history has been improved - Has been developed recommendations system for a news posts on <a href="http://rambler.ru">rambler.ru</a> <i>Chief:</i> Pavel Klemenkov ( <a href="mailto:pklemenkov@gmail.com">pklemenkov@gmail.com</a> ), Anton Gorokhov ( <a href="mailto:anton.gorokhov@gmail.com">anton.gorokhov@gmail.com</a> )	
<b>Jun 2013 - Aug 2013</b> 3 months	<b>Rambler, Moscow</b> — Intern at Search Group - Has been developed query clf system to use widgets in a web search result adaptively <i>Chief:</i> Max Karpenko ( <a href="mailto:v3dmax@gmail.com">v3dmax@gmail.com</a> )	

## Teaching

- **Feb 2016 - Feb 2017:** Practical Lecturer of Machine Learning at MIPT ([page](#))
- **Feb 2017 - Aug 2017:** Lecturer of Deep Learning block in Machine Learning at MIPT ([page](#))
- **Oct 2016 - Aug 2017:** Lecturer of Deep Learning block in Data Mining in Action ([page](#), [video](#))
- **Feb 2017 - nowadays:** Supervisor of Scientific seminar on Machine Learning at HSE ([page](#)) and YSDA ([page](#))

## Publications

- Kirill Neklyudov, Dmitry Molchanov, Arsenii Ashukha, Dmitry Vetrov  
Structured Bayesian Pruning via Log-Normal Multiplicative Noise, NIPS 2017, [arxiv.org/abs/1705.07283](https://arxiv.org/abs/1705.07283)
- Dmitry Molchanov\*, Arsenii Ashukha\*, Dmitry Vetrov  
Variational Dropout Sparsifies Deep Neural Networks, ICML 2017, [arxiv.org/abs/1701.05369](https://arxiv.org/abs/1701.05369)